MRI at Advanced Veterinary Medical Imaging:
A few specialty veterinary facilities including Advanced Veterinary Medical Imaging have obtained their own imaging units for veterinary use. Not all MRI scanners however are created equally. Most veterinary facilities rely on older, used equipment. AVMI has installed a new GE 1.5 Tesla MRI scanner. This new, state of the art, high field GE MRI scanner will ensure not only the best images available, but also the most efficient and rapid exam possible. Furthermore the most sophisticated monitoring equipment available, will minimize anesthetic related concerns. Advanced Veterinary Medical Imaging has also acquired the most dedicated and skilled staff available in the MRI industry today including the most experienced board certified veterinary radiologists to provide the best care possible for your pet. MRI exams performed by Advanced Veterinary Medical Imaging are available to referring veterinarians for review on traditional methods like film as well as newer digital methods including CD and internet technologies.

Directions:
From San Diego and South Orange County:
5 North. Exit Jamboree. Turn left on Jamboree, follow the signs to Edinger Ave. Turn right on Edinger to Jamboree Plaza Rd. Turn right into the Jamboree Plaza.

From Inland Empire:
91 West to either 241 toll road, 55 or 57 freeways to 5 South. Exit Jamboree Rd., turn right on Jamboree, follow the signs to Edinger Ave. Turn right on Edinger to Jamboree Plaza Rd. Turn right into the Jamboree Plaza.

From San Bernardino area:
605 South to 5 South. Exit Jamboree. Turn right on Jamboree, follow the signs to Edinger Ave. Turn right on Edinger to Jamboree Plaza Rd. Turn right into the Jamboree Plaza.

From LA/Long Beach area:
405 South. Exit Jamboree. Turn left on Jamboree Rd. to Edinger Ave. Turn left on Edinger to Jamboree Plaza Rd. Turn right into the Jamboree Plaza.

Our building is in the back of the Jamboree Plaza business complex immediately opposite the Metrolink Parking lot.

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brightness is a complex function of the hydrogen concentration or intensity. Contrast, described as the difference between signal intensities, provides the optimum difference between light and dark regions of the tissue or organ to help the veterinarian detect lesions, such as a tumor. Although MRI is normally a noninvasive technique, contrast agents can be administered to a patient to enhance a region of interest.

How is MRI used? Soft tissue, such as internal organs, is relatively transparent to X-rays, limiting the practical application of other imaging modalities such as computed tomography (CT). MRI, however, has excellent sensitivity for these tissues with 100% increase in soft tissue resolution compared to its closest competitor CT. MRI has the additional benefit of not using ionizing radiation. The magnetic resonance phenomenon has been steadily gaining in vitro application in the fields of chemistry, biochemistry, and the medical life sciences since its inception in 1946. The technique was first extended to a live animal by Jasper Jackson in 1967, and the first two-dimensional MR image was generated in 1972 by Paul Lauterbur. Since initial reports of the identification of central nervous system (CNS) abnormalities by magnetic resonance imaging during the 1980's, the progression of MR as a diagnostic modality for CNS disease has been rapid. Magnetic Resonance Imaging became routine in human medicine during the 1980s. The superior clarity of the images, particularly of the brain, combined with its non-invasive nature led to its quick acceptance.

MRI in Veterinary Medicine. Until recently MRI has had limited application in veterinary medicine, primarily due to the expense of the imaging unit and associated computer needs, as well as the requirement for specially constructed rooms to house the units.